

Title (en)

Preheat start-up device for fluorescent lamps

Title (de)

Vorheizstartschaltung für Leuchtstofflampen

Title (fr)

Circuit d'amorçage, avec préchauffage, de lampes fluorescentes

Publication

EP 0663789 B1 19991215 (EN)

Application

EP 94305456 A 19940722

Priority

CN 94202144 U 19940118

Abstract (en)

[origin: EP0663789A1] A fluorescent lamp preheating start-up device to be used in the preheating start-up of fluorescent lamp. It consists of hot bonded temperature sensitive resistance layer (sheet) and voltage sensitive switching resistance layer (sheet), a silver conductive layer is coated between the two layers, and the periphery thereof is sealed with a sealing film. A lead is led out from each of the surface electrodes of said two resistance layers (sheets) of different characteristics, respectively. In operation, it is serially connected in the loop of the filament after the parallel connection of the present device with the resonant capacitor C in the electronic ballast. The device has both the characteristic of temperature resistance and the function of voltage switch. In normal operation of the light tube, the power consumption of the present device is only 0.4 to 5% of that of an ordinary PTC device. In addition, the self-temperature-rise is low and the starting time is appropriate. <IMAGE>

IPC 1-7

H05B 41/29

IPC 8 full level

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CPC (source: EP)

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Cited by

EP1377136A3; EP1463385A3

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